

**What is claimed is:**

1. An image processing system comprising:  
a camera for picking up a workpiece; and  
an image processing apparatus for capturing image pickup  
5 data of the workpiece picked up by said camera and performing  
image processing, said image processing apparatus including  
a trigger receiving section for receiving a trigger from an  
outside, a trigger generation section for generating a  
predetermined number of internal triggers at predetermined  
10 intervals when said trigger receiving section receives the  
trigger from the outside, an image processing section for  
performing image processing with respect to each the image pickup  
data picked up by the camera by the trigger from the outside  
and the internal triggers, and a statistical processing section  
15 for performing statistical processing of each image processing  
result data from the image processing section.

2. The image processing system as defined in claim 1,  
wherein a user can arbitrarily set the number of generations  
20 of the internal triggers.

3. The image processing system as defined in claim 1,  
wherein said image processing apparatus includes a display  
section for displaying a result calculated by the statistical  
25 processing section.

4. An image processing method comprising:  
receiving an external trigger from the outside;  
generating a predetermined number of internal triggers

5 at predetermined intervals when the trigger is received from  
the outside;

picking up a workpiece by the trigger from the external  
trigger and the internal triggers;

10 performing image processing with respect to each the image  
pickup data picked up; and

performing statistical processing of each image  
processing result data obtained from the image processing.

5. The image processing method as defined in claim 4,  
15 further comprising:

setting the number of generations of the internal  
triggers.

6. The image processing method as defined in claim 4,  
20 further comprising:

displaying a result calculated from the statistical  
processing.